

## Mouse Nestin ELISA Kit | Nestin elisa kit

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CATALOG #  
**AAA97623**

REACTIVITY  
**Mouse**

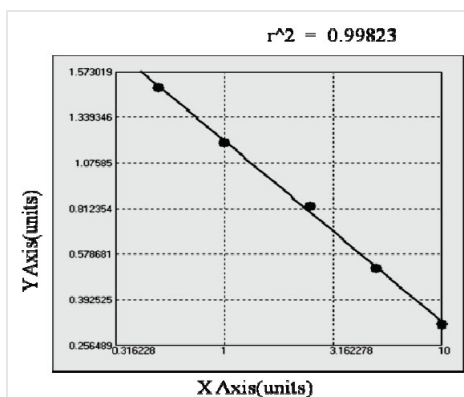
### PRODUCT SYNONYMS

Nestin; Mouse Nestin ELISA Kit; Nestin elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive                                                                                                                                                                            |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                             |
| Intended Uses           | This NOX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NOX2. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Nestin elisa kit

**Principle of the assay:** NOX2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NOX2 antibody and an NOX2-HRP conjugate. The assay sample and buffer are incubated together with NOX2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NOX2 concentration since NOX2 from samples and NOX2-HRP conjugate compete for the anti-NOX2 antibody binding site. Since the number of sites is limited, as more sites are occupied by NOX2 from the sample, fewer sites are left to bind NOX2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NOX2 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |             |
|----------------------------------|-------------|
| NCBI GI #                        | 38176300    |
| NCBI GeneID                      | 10763       |
| NCBI Accession #                 | NP_006608.1 |
| NCBI GenBank Nucleotide #        | NM_006617.1 |
| Molecular Weight                 | 177,439 Da  |
| NCBI Official Full Name          | nestin      |
| NCBI Official Synonym Full Names | nestin      |
| NCBI Official Symbol             | NES         |
| NCBI Official Synonym Symbols    | Nbla00170   |
| NCBI Protein Information         | nestin      |
| UniProt Protein Name             | Nestin      |
| UniProt Gene Name                | <b>NES</b>  |
| UniProt Synonym Gene Names       | Nbla00170   |
| UniProt Entry Name               | NEST_HUMAN  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/nestin/97623>